



AMENDMENT

To the Claims:

2 Please amend Claims 97-100 as indicated below. S

97. (Amended) A method for stimulating an immune response in an animal, the immune response being directed toward a ubiquitin fusion protein which contains a self-antigen, the method comprising:

- a) providing a ubiquitin fusion protein comprising ubiquitin fused to a single epitope-containing segment, the epitope-containing segment comprising two or more identical self-epitopes;
- b) administering the fusion protein of step a) to an animal under conditions appropriate for the stimulation of an immune response.

98. (Amended) A method for stimulating an immune response in an animal, the immune response being directed toward a ubiquitin fusion protein which contains a self-antigen, the method comprising:

- a) providing a ubiquitin fusion protein comprising ubiquitin fused to two or more non-contiguous epitope-containing segments, each epitope-containing segment comprising one or more identical or non-identical self-epitopes;
- b) administering the fusion protein of step a) to an animal under conditions appropriate for the stimulation of an immune response.

99. (Amended) A method for stimulating an immune response in an animal, the immune response being directed toward a ubiquitin fusion protein which contains a self-antigen, the method comprising:

- a) providing a ubiquitin fusion protein comprising

ubiquitin fused to a single epitope-containing segment comprising two or more identical or non-identical self-epitopes, the epitope-containing segments being fused to ubiquitin at fusion sites selected from the group consisting of the N-terminus and an internal fusion site;

- b) administering the fusion protein of step a) to an animal under conditions appropriate for the stimulation of an immune response.

100. (Amended) A method for stimulating an immune response in an animal, the immune response being directed toward a ubiquitin fusion protein which contains a self-antigen, the method comprising:

- a) providing a ubiquitin fusion protein comprising ubiquitin fused to a single epitope-containing segment comprising one or more identical or non-identical self-epitopes, the epitope-containing segment being fused to ubiquitin at N-terminus of ubiquitin;
- b) administering the fusion protein of step a) to an animal under conditions appropriate for the stimulation of an immune response.

REMARKS

Claim Amendments

Claims 97-100 have been amended to specify that the ubiquitin fusion proteins contain a self-antigen and that the identical or non-identical epitopes contained therein are self-epitopes. Support for this amendment is found in the following passage of the Application:

Anti-self responses are generated by immunizing an animal with a ubiquitin fusion protein which has incorporated into it an epitope derived from an endogenous (self) protein. Such epitopes are herein referred to as self-epitopes. Endogenous proteins in a